Repairing Hazardous Liquid Pipelines

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Repairing Hazardous Liquid Pipelines

1 Scope

This recommended practice (RP) discusses guidelines for safe practices while repairing in-service pipelines for hazardous liquids. Although it is recognized that the conditions of a particular job will necessitate an on-the-job approach, the observance of the suggestions in this document should improve the probability that repairs will be completed without accidents or injuries.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

API Standard 1104, *Welding of Pipelines and Related Facilities*

ASME B31.4 [1], *Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids*

ASME B31G, *Manual for Determining the Remaining Strength of Corroded Pipelines*

ASME Section IX, *Boiler and Pressure Vessel Code*

ASNT SNT-TC-1A [2], *Personnel Qualification and Certification in Non-Destructive Testing*

PRCI *PR-218-9307* [3], *Pipeline Repair Manual*

3 Acronyms and Abbreviations

For the purposes of this document, the following acronyms and abbreviations apply.

OQ	operator qualification
LOTO	lockout/tagout
PEL	personal exposure limit
PPE	personal protective equipment
LEL	lower explosive limit
HVL	high volatile liquids
NDT	nondestructive testing
LPG	liquefied petroleum gas

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2 American Society for Nondestructive Testing, 1711 Arlingate Lane, P.O. Box 28518, Columbus, Ohio 43228, www.asnt.org.
3 Pipeline Research Council International, Inc., 1401 Wilson Boulevard, Suite 1101, Arlington, Virginia 22209, www.prci.org.